

AMENDMENTS TO THE ABSTRACT

Please substitute the following paragraph(s) for the abstract now appearing in the currently filed specification:

Travel amount detecting means ~~10~~ for detecting the travel amount of a plunger ~~4b~~, distal end detecting means ~~11~~ for detecting ~~the fact that the plunger 4b has moved to the distal end of a syringe-4~~, distance measuring means for measuring the travel distance of the plunger ~~4b~~, input means ~~13~~ capable of inputting the capacity of the syringe ~~4~~, and storage means ~~14~~ capable of storing the measured travel distance of the plunger ~~4b~~ and the input capacity of the syringe ~~4~~ are provided. The control means ~~16~~ selects the travel distance of the plunger ~~4b~~ corresponding to the input capacity from the storage means ~~14~~ and controls the injection of a chemical solution in the syringe ~~4~~ accomplished via plunger pressing means based on the travel distance of plunger and the capacity of syringe. Thereby, a syringe pump can be provided which can be used for a syringe that is sold newly or a syringe with a dimension changed by design change or remodeling.